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DESCRIPTORS: *Oils, *Lubrication, Oxidation, Resins, Asphalt, Solubility, Hydrochloric acid, Methanols, Azo radicals, Methyl radicals, Chemical analysis, Coal, Rock, Minerals, Shales, Petroleum, Condensation reactions, Humic acids, Carbenes, Fuels

Oxidation of asphaltenes with air at 180-185° for 216 hours yielded a product soluble in alkali and greatly resembling humic acids in composition and properties. Oxidation of resins is much more difficult than that of (Chemistry--Physical TT, v. 6, no. 10) (over)

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DESCRIPTORS: *Petroleum, *Tars, Decomposition,
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A study of the substances insoluble in petroleum ether
and included in the composition of primary tars of
Cheremkhovo coal, Aleksandriya brown coal and
Kashpir shale revealed that these primary tar com-
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stances of humic and resinous character. The humic
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ter, while that from the Aleksandriya coal possesses
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